

Application No.: 09/687,734
Response dated: January 27, 2005
Reply to Office Action of: January 5, 2005

LISTING OF THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A method for preparing a supported catalyst composition comprising the steps of:
 - (a) forming a supported activator wherein the supported activator is in a mineral oil; and
 - (b) contacting the supported activator with a combination consisting essentially of a ligand and a metal compound.
2. (Previously Presented) The method of claim 1 wherein the ligand and the metal compound are combined in a liquid prior to contacting with the supported activator.
3. (Original) The method of claim 1 wherein the supported activator comprises a support material and an activator.
4. (Original) The method of claim 3 wherein the activator is an alumoxane.
5. (Cancelled)
6. (Original) The method of claim 2 wherein the liquid is an aliphatic hydrocarbon.
7. (Original) The method of claim 1 wherein the metal compound is represented by the formula:
$$ML_x$$
wherein M is a Group 3 to 12 metal from the Periodic Table of Elements and L is selected from the group consisting of hydrogen, halogen, hydrocarbyl, alkoxide, aryoxide, carboxylate, carbodionate, amide, carbamate and phosphide; and "x" is an integer depending on the valence state of metal.

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8. (Original) The method of claim 1 wherein the supported activator is the reaction product of a support material comprising surface hydroxyl groups and an organoaluminum compound.
9. (Original) The method of claim 1 wherein the metal compound is a Group 4 metal compound.
10. (Previously Presented) A process for polymerizing olefin(s) in the presence of a supported catalyst system, the supported catalyst system produced by contacting a supported activator in a mineral oil, and a combination consisting essentially of a ligand and a metal compound.
11. (Previously Presented) The process of claims 10 or 21, wherein the process is a gas phase process.
12. (Previously Presented) The process of claims 10 or 21, wherein the supported activator comprises a support material and an activator.
13. (Previously Presented) The process of claims 10 or 21, wherein the metal compound is represented by the formula:
$$ML_x$$

wherein M is a Group 3 to 12 metal from the Periodic Table of Elements and L is selected from the group consisting of hydrogen, halogen, hydrocarbyl, alkoxide, aryoxide, carboxylate, carbodionate, amide, carbamate and phosphide; and "x" is an integer depending on the valence state of metal.
14. (Previously Presented) The process of claims 10 or 21, wherein the supported catalyst system is in a slurry state.
15. (Previously Presented) An activated olefin polymerization supported catalyst system comprising a supported activator, wherein the supported activator is in a mineral oil and a combination consisting essentially of a ligand and a metal compound.

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16. (Original) The supported catalyst system of claim 15 wherein the supported activator comprises a support material and an activator.
17. (Previously Presented) The supported catalyst system of claim 15 wherein the weight percent of the supported activator to the ligand and metal compound is in the range of from 99.6 to 80.
18. (Original) The supported catalyst system of claim 15, wherein the supported activator is a supported alumoxane.
19. (Previously Presented) The supported catalyst system of claim 15, wherein the activated supported polymerization catalyst system is in a liquid.
20. (Previously Presented) The supported catalyst system 19, wherein said liquid is a mineral oil.
21. (Previously Presented) The process of claim 10, wherein said combination consists essentially of two or more ligands and a metal compound, wherein said two or more ligands may be the same or different.